

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
033809	W-73.17	Change

2. Date: October 1, 2003

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised:

5. Agency: **WSSC**

3. Project Name: Potomac WFP Chemical Feed Facilities

4. Program: **Sanitation** 6. Planning Area: Bi-County**B. Expenditure Schedule (000's)**

	(8) Total	(9) Thru FY '03	(10) Estimate FY '04	(11) Total 6 Years	(12) Year 1 FY '05	(13) Year 2 FY '06	(14) Year 3 FY '07	(15) Year 4 FY '08	(16) Year 5 FY '09	(17) Year 6 FY '10	(18) Beyond 6 Years
Cost Elements											
Planning, Design & Supervision	550	75	350	125	125						
Land											
Site Improvements & Utilities											
Construction	3,500		500	3,000	2,500	500					
Other	596		128	468	393	75					
Total	4,646	75	978	3,593	3,018	575					

C. Funding Schedule (000's)

WSSC Bonds	3,206	52	675	2,479	2,082	397					
SDC	1,440	23	303	1,114	936	178					

D. Description & Justification**DESCRIPTION**

This project includes design and construction of the potassium permanganate, pre-filter disinfection, sulfuric acid, fluoride, sodium bisulfite, and orthophosphate feed facilities as recommended by the Potomac Reliability/Water Quality Study (W-73.14).

Service Area Bi-County Area

JUSTIFICATION**Plans & Studies**

"Technical Memorandum No. 2 Water Quality Needs Assessment", O'Brien & Gere Engineers, Inc. (November, 2001); Potomac WFP Facility Plan", O'Brien & Gere Engineers, Inc. (September, 2002).

Specific Data

This project is part of the program of immediate improvements needed to reliably meet projected demands. These facilities replace existing, aging systems in order to improve both safety and reliability. It will also include improved monitoring and control of chemical feeds in order to maximize the treatment capability within the existing treatment structures. The facilities will be designed to meet the projected year 2030 demands and be able to add chloramination in the future, if necessary.

Cost Change

The overall costs have increased over the preliminary estimate due to the addition of permanent orthophosphate feed system, additional chlorinators and the need to abandon two existing underground fluoride storage tanks.

STATUS Preliminary Design (WSSC Contract No. BF2028E97,).

OTHER

The project scope has remained the same. Expenditures shown in Block B are planning level estimates only and may increase or decrease. Upon completion of the preliminary design a more reliable estimate can be made. This project will be delivered via the design/build process.

COORDINATION

Montgomery County Government, Prince George's County Government, Montgomery County Department of Environmental Protection, Maryland Department of the Environment and Prince George's County Department of Environmental Resources.

NOTE This project supports 31% Growth and 69% System Improvement.

E. Annual Operating Budget Impact (000's) FY of Impact

Program Costs	Staff	
	Other	
Facility Costs	Maintenance	
	Debt Service	201	07
Total Costs.....		201	07
Impact on Water or Sewer Rate.....			

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 04
Date First Approved	FY 03
Initial Cost Estimate	3,796
Cost Estimate Last FY	3,796
Present Cost Estimate	4,646
Approved Request, Last FY	2,116
Total Expenditures & Encumbrances	75
Approval Request FY 05	3,018
Supplemental Approval Request Current FY (04)	

G. Status Information

Land Status:	Not applicable
% Project Completion:	D-5%
Est. Completion Date:	July 2005

H. Map Map Reference Code:**MAP NOT AVAILABLE**